
DEPARTMENT OF TRANSPORTATION
**Research and Special Programs
Administration**

49 CFR Parts 171, 172, 173, 174, 175,
176, 177, and 178

[Docket No. HM-169; Amdt. Nos. 171-71,
172-78, 173-162, 174-42, 175-26, 176-15,
177-57, 178-75]

**Requirements for Transportation of
Radioactive Materials**
Correction

In FR Doc. 83-5215 beginning on page 10218 in the issue of Thursday, March 10, 1983, make the following corrections:

1. On page 10218, first column, in the 8th line under "EFFECTIVE DATE", "173.441(c), 173.477(b)" should have read "173.441(c), 173.457(b), 173.477(b)".

2. On page 10220, the formula in column one, should have read as follows:

$$\frac{APG_1}{0.0001} + \frac{APG_2}{0.005} + \frac{APG_3}{0.3} \leq 1$$

3. In § 172.101, the Hazardous Materials Table is corrected on page 10225, in the entry for Thorium metal, pyrophoric, under "Cargo only aircraft", "2.5 pounds" should have read "Forbidden".

4. In § 172.203(d)(1)(iii), first line of the first column of page 10226, the number "(1)" should have been the letter "(I)".

5. On page 10228, in § 172.403(c), in the table, in the entry for T.I. < 1.0, in the second column, "0.5 mrem/h < RL < 50" should have read "0.5 mrem/h < RL < 50 mrem/h".

6. In the amendment to § 173.22, 17th line of the third column of page 10228, the number "(1)" should have been the letter "(I)".

7. In § 173.403, third column of page 10227, paragraph (I)(2), "for special form radioactive material; or" should have read "for normal form radioactive material; or".

8. In § 173.403(n)(5), seventeen lines from the top of column one, page 10228, "0.0001" should have read "0.001".

9. In § 173.417(b)(1), Table 4 on page 10231 should have read as follows:

TABLE 4

Authorized contents in kilograms (kg) and conditions for Specification 6L

packages

Uranium-235		Plutonium ^{1/}		Fissile Class II Transport index	Fissile Class III maximum number of packages per transport vehicle
^{2/} H/X ≤ 3	3 ≤ H/X ≤ 10	H/X ≤ 10	10 ≤ H/X ≤ 20		
14	3.6 ^{3/}	—	—	1.3	80
—	—	2.5	2.4	1.8	50

1/ Plutonium solutions are not authorized.

2/ H/X is the ratio of hydrogen to fissile atoms in the inner containment with all sources of hydrogen in the containment considered.

3/ Volume not to exceed 3.6 liters.

10. In § 173.423, Table 7 on page 10233, make the following changes:

a. In the entry for Solids, Other forms, "10 ³A₂" should have read "10⁻³A₂", and "10 ³A₂" should have read "10⁻³A₂".

b. In the entry for Liquids, Other liquids, "10⁻³A₁..... 10 ¹A₁.....10 ¹A₂" should have read "10⁻³A₂.....10⁻¹A₂.....10⁻¹A₂".

11. On page 10234, first column, the heading now reading

§ 173.431 Activity for Type A and Type B packages.

should have read:

§ 173.431 Activity limits for Type A and Type B packages.

12. In § 173.431(b), in the fourth line from the top of the middle column of page 10234, "recertificate" should have read "certificate".

13. On page 10234, middle column, § 173.433(a)(2)(i)(A), the expression "A₁ = 9Γ curie" should have read "A₁ = 9Γ curie".

14. On the same page, § 173.433(a)(2)(i)(C), Table 8, in the last line, "> 2.0" should have read "> 2.0".

15. On page 10235, § 173.435, in the table, make the following corrections:

a. In the entry for 36C₁, "3.2×10" should have read "3.2×10⁻²".

b. In the entry for 51C₁, "Chromium (25)" should have read "Chromium (24)".

c. On page 10236, the entry for 18F₁, "Flourine" should have read "Flourine (9)".

d. The entry now reading "56F₆" should have read "59F₆".

e. In the entry for 153G₄, in the column headed "A₂ (Ci)", the number "200" should have read "100".

f. The entry now reading "197m_{18H₈}" should have read "197m_{18H₈}".

g. The second of the two entries reading "85m_{K_r} (uncompressed)" should have read "85m_{K_r} (compressed)".

h. The second of the two entries reading "87_{K_r} (uncompressed)" should have read "87_{K_r} (compressed)".

i. In the entry for 59V₁, "8.1×10" should have read "8.1×10⁻²".

j. The second of the two entries reading "191O₆" should have read "191m_{O₆}".

k. On page 10237, in the entry for 186Re, "1.9×10⁻⁶" should have read "1.9×10⁻⁵".

l. In the entry for 188Re, "1.0×10⁻⁶" should have read "1.0×10⁻⁵".

m. In the entry for 103m_{Rh}, "3.2×10⁻⁷" should have read "3.2×10⁻⁷".

n. In the entry for 105Rh, "8.2×10⁻⁵" should have read "8.2×10⁻³".

o. In the entry for 222Rn, "1.5×10⁻⁵" should have read "1.5×10⁻⁶".

p. In the entry for 97Ru, "5.5×10⁻⁴" should have read "5.5×10⁻⁵".

q. In the entry for 103Ru, "3.2×10⁻⁴" should have read "3.2×10⁻⁴".

r. In the entry for 105Ru, "6.6×10⁻⁶" should have read "6.6×10⁻⁶".

s. In the entry for 108Ru, "3.4×10⁻³" should have read "3.4×10⁻³".

t. On page 10238, the first of the two entries reading "69Zn" should have read "69m_{Zn}".

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